

Somerset

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	15.55	15	96	Male	9.00	5	56
Female	6.15	6	98	Female	6.76	3	NC*
Total	21.69	21	97	Total	15.76	8	51
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.48	5	112	Male	2.89	4	NC*
Female	3.60	6	167	Female	2.68	4	NC*
Total	8.08	11	136	Total	5.57	8	144
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.97	0	NC*	Male	11.35	16	141
Female	91.34	90	99	Female	10.78	9	84
Total	92.31	90	97	Total	22.13	25	113
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.84	5	103	Male	9.41	5	53
				Female	4.60	3	NC*
				Total	14.02	8	57
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	39.08	27	69	Female	10.52	11	105
Female	38.51	37	96				
Total	77.60	64	82				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.55	7	126	Male	6.07	6	99
Female	2.00	2	NC*	Female	6.73	4	NC*
Total	7.55	9	119	Total	12.80	10	78
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.82	4	NC*	Male	95.00	107	113
Female	1.48	3	NC*				
Total	3.29	7	213				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	8.64	4	NC*	Male	6.45	8	124
Female	5.54	4	NC*	Female	4.11	4	NC*
Total	14.18	8	56	Total	10.56	12	114
<u>Larynx</u>				<u>Testis</u>			
Male	5.04	4	NC*	Male	2.52	5	199
Female	1.39	0	NC*				
Total	6.43	4	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	6.19	8	129	Male	1.63	0	NC*
Female	4.90	5	102	Female	4.11	4	NC*
Total	11.09	13	117	Total	5.74	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	3.21	2	NC*	Female	17.90	15	84
Female	1.40	1	NC*				
Total	4.61	3	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	49.66	51	103	Male	304.52	297	98
Female	39.22	24	61 #-	Female	289.88	255	88 #-
Total	88.88	75	84	Total	594.40	552	93

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Somerville

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	38.46	34	88	Male	26.20	17	65
Female	17.96	19	106	Female	23.78	17	71
Total	56.43	53	94	Total	49.99	34	68 #-
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	13.92	10	72	Male	7.13	10	140
Female	12.18	10	82	Female	7.71	9	117
Total	26.10	20	77	Total	14.84	19	128
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	2.46	2	NC*	Male	33.77	18	53 ~-
Female	280.67	235	84 ~-	Female	33.65	24	71
Total	283.14	237	84 ~-	Total	67.42	42	62 ~-
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	19.39	21	108	Male	25.15	22	87
				Female	13.74	15	109
				Total	38.90	37	95
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	96.74	109	113	Female	33.58	25	74
Female	113.41	136	120 #+				
Total	210.16	245	117 #+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	13.63	12	88	Male	15.10	17	113
Female	5.82	4	NC*	Female	19.46	18	92
Total	19.45	16	82	Total	34.57	35	101
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	8.47	7	83	Male	222.89	191	86 #-
Female	7.09	5	71				
Total	15.56	12	77				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	22.47	22	98	Male	16.50	19	115
Female	16.31	17	104	Female	12.39	21	169 #+
Total	38.78	39	101	Total	28.89	40	138
<u>Larynx</u>				<u>Testis</u>			
Male	12.57	14	111	Male	14.76	17	115
Female	3.85	9	234 #+				
Total	16.42	23	140				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	17.67	16	91
Female	15.84	18	114
Total	33.51	34	101

Liver and Intrahepatic Bile Ducts

Male	8.30	6	72
Female	4.09	3	NC*
Total	12.39	9	73

Lung and Bronchus

Male	120.44	160	133 ^+
Female	111.25	117	105
Total	231.68	277	120 ~+

Male	6.13	5	82
Female	18.22	15	82
Total	24.34	20	82

Uteri, Corpus and Uterus, NOS

Female	51.86	45	87
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All Sites / Types

Male	779.35	768	99
Female	888.25	845	95
Total	1667.60	1613	97

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South Hadley

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	11.96	15	125
Female	5.00	9	180
Total	16.97	24	141

Brain and Other Central Nervous System

Male	3.60	7	194
Female	3.28	2	NC*
Total	6.88	9	131

Breast

Male	0.75	0	NC*
Female	76.35	73	96
Total	77.10	73	95

Cervix Uteri

Female	4.67	5	107
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Colon / Rectum

Male	30.05	34	113
Female	31.50	25	79
Total	61.55	59	96

Esophagus

Male	4.24	9	212
Female	1.62	1	NC*
Total	5.86	10	171

Hodgkin's Disease

Male	1.60	3	NC*
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	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	7.09	9	127
Female	6.09	5	82
Total	13.18	14	106

Multiple Myeloma

Male	2.23	3	NC*
Female	2.17	0	NC*
Total	4.40	3	NC*

Non-Hodgkin's Lymphoma

Male	9.01	10	111
Female	9.13	9	99
Total	18.14	19	105

Oral Cavity and Pharynx

Male	7.28	12	165
Female	3.80	4	NC*
Total	11.09	16	144

Ovary

Female	9.00	13	144
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Pancreas

Male	4.65	11	237 #+
Female	5.44	6	110
Total	10.09	17	168

Prostate

Male	72.02	61	85
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Female	1.64	2	NC*
Total	3.24	5	154
<u>Kidney and Renal Pelvis</u>			
Male	6.69	6	90
Female	4.56	2	NC*
Total	11.25	8	71
<u>Larynx</u>			
Male	3.86	5	130
Female	1.10	0	NC*
Total	4.96	5	101
<u>Leukemia</u>			
Male	4.93	4	NC*
Female	4.38	3	NC*
Total	9.31	7	75
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	2.47	1	NC*
Female	1.15	1	NC*
Total	3.62	2	NC*
<u>Lung and Bronchus</u>			
Male	37.95	27	71
Female	31.49	28	89
Total	69.44	55	79

<u>Stomach</u>			
Male	4.98	3	NC*
Female	3.40	5	147
Total	8.38	8	95
<u>Testis</u>			
Male	2.35	5	213
<u>Thyroid</u>			
Male	1.34	3	NC*
Female	4.24	4	NC*
Total	5.59	7	125
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	14.53	9	62
<u>All Sites / Types</u>			
Male	234.86	245	104
Female	242.60	220	91
Total	477.46	465	97

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Southampton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.16	3	NC*	Male	2.09	2	NC*
Female	1.13	0	NC*	Female	1.55	1	NC*
Total	4.30	3	NC*	Total	3.64	3	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.10	2	NC*	Male	0.61	0	NC*
Female	0.84	0	NC*	Female	0.53	0	NC*
Total	1.93	2	NC*	Total	1.15	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.21	0	NC*	Male	2.60	1	NC*
Female	20.14	11	55 #-	Female	2.19	2	NC*
Total	20.34	11	54 #-	Total	4.79	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.22	0	NC*	Male	2.22	0	NC*
				Female	0.96	2	NC*

				Total	3.18	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	7.96	7	88				
Female	7.08	6	85	Female	2.37	3	NC*
Total	15.04	13	86				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.21	1	NC*	Male	1.28	0	NC*
Female	0.36	0	NC*	Female	1.24	0	NC*
Total	1.58	1	NC*	Total	2.53	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.50	1	NC*	Male	19.73	14	71
Female	0.39	0	NC*				
Total	0.90	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.96	0	NC*	Male	1.35	1	NC*
Female	1.15	2	NC*	Female	0.75	1	NC*
Total	3.11	2	NC*	Total	2.10	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.14	1	NC*	Male	0.73	2	NC*
Female	0.30	1	NC*				
Total	1.44	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.42	0	NC*	Male	0.43	0	NC*
Female	1.06	0	NC*	Female	1.09	1	NC*
Total	2.48	0	NC*	Total	1.52	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.72	0	NC*				
Female	0.27	0	NC*	Female	3.90	3	NC*
Total	0.98	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	10.40	6	58	Male	65.22	49	75 #-
Female	8.00	5	62	Female	60.74	44	72 #-
Total	18.40	11	60	Total	125.96	93	74 ~-

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Southborough

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.97	3	NC*	Male	2.80	4	NC*
Female	1.40	0	NC*	Female	2.11	2	NC*
Total	5.37	3	NC*	Total	4.91	6	122

Brain and Other Central Nervous System

Male	1.51	4	NC*
Female	1.11	0	NC*
Total	2.62	4	NC*

Breast

Male	0.27	0	NC*
Female	26.89	31	115
Total	27.15	31	114

Cervix Uteri

Female	1.71	0	NC*
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Colon / Rectum

Male	10.05	2	NC*
Female	8.69	6	69
Total	18.74	8	43 --

Esophagus

Male	1.59	1	NC*
Female	0.44	2	NC*
Total	2.03	3	NC*

Hodgkin's Disease

Male	0.74	4	NC*
Female	0.55	0	NC*
Total	1.29	4	NC*

Kidney and Renal Pelvis

Male	2.58	4	NC*
Female	1.47	4	NC*
Total	4.05	8	197

Larynx

Male	1.52	0	NC*
Female	0.39	0	NC*
Total	1.91	0	NC*

Leukemia

Male	1.89	1	NC*
Female	1.39	1	NC*
Total	3.28	2	NC*

Liver and Intrahepatic Bile Ducts

Male	0.94	1	NC*
Female	0.33	1	NC*
Total	1.28	2	NC*

Lung and Bronchus

Male	13.37	8	60
Female	10.07	10	99
Total	23.44	18	77

Multiple Myeloma

Male	0.78	0	NC*
Female	0.67	0	NC*
Total	1.45	0	NC*

Non-Hodgkin's Lymphoma

Male	3.48	1	NC*
Female	2.79	6	215
Total	6.27	7	112

Oral Cavity and Pharynx

Male	2.99	0	NC*
Female	1.26	0	NC*
Total	4.25	0	NC*

Ovary

Female	3.19	0	NC*
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Pancreas

Male	1.66	6	361 #+
Female	1.52	2	NC*
Total	3.18	8	251 #+

Prostate

Male	25.45	16	63
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Stomach

Male	1.72	5	290
Female	0.94	2	NC*
Total	2.66	7	263 #+

Testis

Male	1.12	3	NC*
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Thyroid

Male	0.61	1	NC*
Female	1.54	1	NC*
Total	2.15	2	NC*

Uteri, Corpus and Uterus, NOS

Female	5.17	6	116
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All Sites / Types

Male	84.76	73	86
Female	79.00	82	104
Total	163.76	155	95

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Southbridge

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	11.69	18	154	Male	6.78	6	89
Female	5.47	5	91	Female	5.78	2	NC*
Total	17.15	23	134	Total	12.55	8	64
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.45	6	174	Male	2.11	4	NC*
Female	3.07	4	NC*	Female	2.22	0	NC*
Total	6.53	10	153	Total	4.33	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.72	1	NC*	Male	8.79	10	114
Female	73.14	76	104	Female	9.26	11	119
Total	73.85	77	104	Total	18.05	21	116
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.14	4	NC*	Male	6.66	6	90
<u>Colon / Rectum</u>				Female	3.80	4	NC*
Male	28.85	29	101	Total	10.47	10	96
Female	34.46	31	90	<u>Ovary</u>			
Total	63.31	60	95	Female	8.51	11	129
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.88	2	NC*	Male	4.40	3	NC*
Female	1.79	1	NC*	Female	5.89	7	119
Total	5.67	3	NC*	Total	10.29	10	97
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.69	2	NC*	Male	64.43	64	99
Female	1.46	4	NC*	<u>Stomach</u>			
Total	3.14	6	191	Male	4.90	5	102
<u>Kidney and Renal Pelvis</u>				Female	3.77	2	NC*
Male	6.17	5	81	Total	8.67	7	81
Female	4.50	3	NC*	<u>Testis</u>			
Total	10.67	8	75	Male	2.55	4	NC*
<u>Larynx</u>				<u>Thyroid</u>			
Male	3.45	9	261 #+	Male	1.30	1	NC*
Female	1.02	1	NC*	Female	3.68	2	NC*
Total	4.48	10	223 #+	Total	4.98	3	NC*
<u>Leukemia</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	4.90	3	NC*	Female	13.86	9	65
Female	4.45	4	NC*	<u>All Sites / Types</u>			
Total	9.35	7	75				
<u>Liver and Intrahepatic Bile Ducts</u>							
Male	2.28	2	NC*				
Female	1.21	0	NC*				
Total	3.49	2	NC*				
<u>Lung and Bronchus</u>							

Male	34.73	34	98	Male	219.35	234	107
Female	30.85	15	49 ~-	Female	241.49	222	92
Total	65.58	49	75 #-	Total	460.84	456	99

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Southwick

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.57	5	109	Male	3.18	1	NC*
Female	1.50	3	NC*	Female	2.29	3	NC*
Total	6.08	8	132	Total	5.47	4	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.71	0	NC*	Male	0.88	1	NC*
Female	1.22	1	NC*	Female	0.72	2	NC*
Total	2.93	1	NC*	Total	1.60	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.30	0	NC*	Male	3.98	1	NC*
Female	28.59	26	91	Female	3.03	4	NC*
Total	28.90	26	90	Total	7.01	5	71
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.88	1	NC*	Male	3.34	0	NC*
				Female	1.34	1	NC*
				Total	4.68	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	11.52	9	78	Female	3.41	3	NC*
Female	9.36	9	96				
Total	20.88	18	86				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.78	1	NC*	Male	1.88	1	NC*
Female	0.47	1	NC*	Female	1.64	4	NC*
Total	2.26	2	NC*	Total	3.53	5	142
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.87	0	NC*	Male	28.44	16	56 #-
Female	0.64	0	NC*				
Total	1.50	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.89	2	NC*	Male	1.98	0	NC*
Female	1.59	1	NC*	Female	1.01	2	NC*
Total	4.48	3	NC*	Total	2.99	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.68	1	NC*	Male	1.33	2	NC*

Female	0.42	0	NC*
Total	2.10	1	NC*

Leukemia

Male	2.17	1	NC*
Female	1.52	1	NC*
Total	3.69	2	NC*

Liver and Intrahepatic Bile Ducts

Male	1.06	2	NC*
Female	0.36	1	NC*
Total	1.42	3	NC*

Lung and Bronchus

Male	15.04	15	100
Female	10.82	9	83
Total	25.86	24	93

Thyroid

Male	0.70	0	NC*
Female	1.72	4	NC*
Total	2.42	4	NC*

Uteri, Corpus and Uterus, NOS

Female	5.46	4	NC*
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All Sites / Types

Male	95.92	67	70 ~-
Female	84.78	84	99
Total	180.69	151	84 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

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indicates statistical significance at the $p \leq 0.05$ level

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Spencer

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	6.94	9	130
Female	2.51	4	NC*
Total	9.45	13	138

Brain and Other Central Nervous System

Male	2.36	1	NC*
Female	1.81	0	NC*
Total	4.18	1	NC*

Breast

Male	0.45	0	NC*
Female	42.23	37	88
Total	42.68	37	87

Cervix Uteri

Female	2.69	6	223
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Colon / Rectum

Male	17.46	18	103
Female	15.78	16	101
Total	33.24	34	102

Esophagus

Male	2.58	5	194
Female	0.80	0	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	4.48	2	NC*
Female	3.38	0	NC*
Total	7.87	2	NC*

Multiple Myeloma

Male	1.32	0	NC*
Female	1.14	1	NC*
Total	2.46	1	NC*

Non-Hodgkin's Lymphoma

Male	5.65	6	106
Female	4.80	11	229 #+
Total	10.45	17	163

Oral Cavity and Pharynx

Male	4.65	3	NC*
Female	2.04	1	NC*
Total	6.70	4	NC*

Ovary

Female	5.01	8	160
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Pancreas

Male	2.78	6	216
Female	2.73	0	NC*

Total	3.39	5	148
<u>Hodgkin's Disease</u>			
Male	1.14	1	NC*
Female	0.93	2	NC*
Total	2.07	3	NC*
<u>Kidney and Renal Pelvis</u>			
Male	4.15	6	145
Female	2.43	4	NC*
Total	6.59	10	152
<u>Larynx</u>			
Male	2.40	0	NC*
Female	0.61	0	NC*
Total	3.01	0	NC*
<u>Leukemia</u>			
Male	3.10	2	NC*
Female	2.34	3	NC*
Total	5.43	5	92
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.53	0	NC*
Female	0.59	1	NC*
Total	2.11	1	NC*
<u>Lung and Bronchus</u>			
Male	22.47	22	98
Female	16.74	26	155 #+
Total	39.21	48	122

Total	5.50	6	109
<u>Prostate</u>			
Male	42.52	33	78
<u>Stomach</u>			
Male	2.95	0	NC*
Female	1.70	4	NC*
Total	4.64	4	NC*
<u>Testis</u>			
Male	1.72	1	NC*
<u>Thyroid</u>			
Male	0.93	0	NC*
Female	2.46	4	NC*
Total	3.39	4	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	8.04	8	100
<u>All Sites / Types</u>			
Male	141.20	122	86
Female	130.09	145	111
Total	271.28	267	98

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Springfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	83.31	78	94
Female	36.50	39	107
Total	119.82	117	98
<u>Brain and Other Central Nervous System</u>			
Male	27.08	25	92
Female	24.10	17	71
Total	51.18	42	82
<u>Breast</u>			
Male	5.19	10	193
Female	549.39	494	90 #-
Total	554.59	504	91 #-

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	50.52	24	48 ^-
Female	44.28	34	77
Total	94.80	58	61 ^-
<u>Multiple Myeloma</u>			
Male	15.30	17	111
Female	15.65	12	77
Total	30.95	29	94
<u>Non-Hodgkin's Lymphoma</u>			
Male	65.54	78	119
Female	66.42	47	71 #-
Total	131.96	125	95

Cervix Uteri

Female	33.98	30	88
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Colon / Rectum

Male	208.13	203	98
Female	229.79	224	97
Total	437.92	427	98

Esophagus

Male	28.72	40	139
Female	11.85	13	110
Total	40.57	53	131

Hodgkin's Disease

Male	13.66	11	81
Female	12.30	8	65
Total	25.96	19	73

Kidney and Renal Pelvis

Male	46.18	45	97
Female	32.98	28	85
Total	79.16	73	92

Larynx

Male	25.98	23	89
Female	7.84	6	77
Total	33.82	29	86

Leukemia

Male	37.03	21	57 ~-
Female	32.57	14	43 ^-
Total	69.60	35	50 ^-

Liver and Intrahepatic Bile Ducts

Male	17.07	25	146
Female	8.38	10	119
Total	25.45	35	138

Lung and Bronchus

Male	257.43	304	118 ~+
Female	225.99	201	89
Total	483.42	505	104

Oral Cavity and Pharynx

Male	50.11	58	116
Female	27.52	25	91
Total	77.63	83	107

Ovary

Female	65.00	55	85
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Pancreas

Male	32.02	41	128
Female	39.65	35	88
Total	71.67	76	106

Prostate

Male	482.14	448	93
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Stomach

Male	34.96	44	126
Female	24.90	24	96
Total	59.86	68	114

Testis

Male	20.84	11	53 #-
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Thyroid

Male	10.19	7	69
Female	31.11	23	74
Total	41.30	30	73

Uteri, Corpus and Uterus, NOS

Female	104.06	105	101
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All Sites / Types

Male	1626.41	1654	102
Female	1756.47	1583	90 ^-
Total	3382.88	3237	96 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Sterling

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

<u>Bladder, Urinary</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>	<u>Melanoma of Skin</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
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Male	3.93	3	NC*
Female	1.28	1	NC*
Total	5.22	4	NC*

Brain and Other Central Nervous System

Male	1.48	1	NC*
Female	1.03	1	NC*
Total	2.50	2	NC*

Breast

Male	0.27	0	NC*
Female	24.62	33	134
Total	24.89	33	133

Cervix Uteri

Female	1.58	0	NC*
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Colon / Rectum

Male	9.92	9	91
Female	7.97	8	100
Total	17.89	17	95

Esophagus

Male	1.57	3	NC*
Female	0.40	0	NC*
Total	1.97	3	NC*

Hodgkin's Disease

Male	0.70	0	NC*
Female	0.52	2	NC*
Total	1.22	2	NC*

Kidney and Renal Pelvis

Male	2.57	3	NC*
Female	1.35	2	NC*
Total	3.92	5	128

Larynx

Male	1.50	0	NC*
Female	0.36	0	NC*
Total	1.86	0	NC*

Leukemia

Male	1.86	3	NC*
Female	1.29	1	NC*
Total	3.15	4	NC*

Liver and Intrahepatic Bile Ducts

Male	0.93	3	NC*
Female	0.31	0	NC*
Total	1.24	3	NC*

Lung and Bronchus

Male	13.17	7	53
Female	9.22	14	152
Total	22.39	21	94

Male	2.76	2	NC*
Female	1.94	2	NC*
Total	4.71	4	NC*

Multiple Myeloma

Male	0.78	1	NC*
Female	0.62	0	NC*
Total	1.40	1	NC*

Non-Hodgkin's Lymphoma

Male	3.41	4	NC*
Female	2.56	2	NC*
Total	5.98	6	100

Oral Cavity and Pharynx

Male	2.96	4	NC*
Female	1.15	0	NC*
Total	4.12	4	NC*

Ovary

Female	2.92	2	NC*
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Pancreas

Male	1.63	0	NC*
Female	1.40	0	NC*
Total	3.03	0	NC*

Prostate

Male	24.90	23	92
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Stomach

Male	1.70	0	NC*
Female	0.86	1	NC*
Total	2.56	1	NC*

Testis

Male	1.05	2	NC*
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Thyroid

Male	0.59	0	NC*
Female	1.43	2	NC*
Total	2.02	2	NC*

Uteri, Corpus and Uterus, NOS

Female	4.72	6	127
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All Sites / Types

Male	83.34	75	90
Female	72.47	82	113
Total	155.81	157	101

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Stockbridge

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.01	1	NC*	Male	1.15	0	NC*
Female	0.79	0	NC*	Female	0.91	0	NC*
Total	2.80	1	NC*	Total	2.06	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.57	1	NC*	Male	0.38	0	NC*
Female	0.47	0	NC*	Female	0.35	0	NC*
Total	1.04	1	NC*	Total	0.73	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.12	2	NC*	Male	1.45	0	NC*
Female	12.12	6	49	Female	1.40	0	NC*
Total	12.25	8	65	Total	2.85	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.67	0	NC*	Male	1.19	1	NC*
				Female	0.60	0	NC*
				Total	1.79	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	5.04	5	99	Female	1.40	1	NC*
Female	4.95	4	NC*				
Total	9.99	9	90				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.70	0	NC*	Male	0.77	0	NC*
Female	0.26	1	NC*	Female	0.86	0	NC*
Total	0.95	1	NC*	Total	1.63	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.23	0	NC*	Male	11.97	5	42 #-
Female	0.20	0	NC*				
Total	0.43	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.11	1	NC*	Male	0.83	0	NC*
Female	0.72	0	NC*	Female	0.53	1	NC*
Total	1.83	1	NC*	Total	1.36	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.63	2	NC*	Male	0.32	0	NC*
Female	0.18	0	NC*				
Total	0.81	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.80	0	NC*	Male	0.20	0	NC*
Female	0.64	0	NC*	Female	0.57	0	NC*
Total	1.44	0	NC*	Total	0.78	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.41	0	NC*				

Female	0.18	0	NC*
Total	0.58	0	NC*

Lung and Bronchus

Male	6.35	3	NC*
Female	5.02	2	NC*
Total	11.37	5	44

Female	2.36	2	NC*
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All Sites / Types

Male	38.82	24	62 #-
Female	37.96	17	45 ^-
Total	76.78	41	53 ^-

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Stoneham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	15.59	8	51	Male	9.20	10	109
Female	6.74	5	74	Female	7.42	6	81
Total	22.34	13	58 #-	Total	16.62	16	96
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.62	2	NC*	Male	2.86	4	NC*
Female	3.91	8	205	Female	2.84	3	NC*
Total	8.53	10	117	Total	5.70	7	123
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.97	1	NC*	Male	11.74	14	119
Female	96.11	136	142 ^+	Female	11.69	7	60
Total	97.08	137	141 ^+	Total	23.43	21	90
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	5.40	7	130	Male	9.34	9	96
				Female	4.89	3	NC*
				Total	14.23	12	84
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	38.94	45	116	Female	11.15	17	152
Female	42.37	46	109				
Total	81.31	91	112				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.43	5	92	Male	6.02	10	166
Female	2.20	1	NC*	Female	7.32	6	82
Total	7.63	6	79	Total	13.35	16	120
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.13	7	329 #+	Male	91.48	90	98
Female	1.79	1	NC*				
Total	3.91	8	204				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	8.55	15	175	Male	6.53	8	123
Female	5.83	6	103	Female	4.59	4	NC*

Total	14.38	21	146	Total	11.11	12	108
<u>Larynx</u>				<u>Testis</u>			
Male	4.91	4	NC*	Male	3.18	3	NC*
Female	1.39	2	NC*				
Total	6.30	6	95				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	6.38	7	110	Male	1.76	1	NC*
Female	5.45	4	NC*	Female	4.74	10	211 #+
Total	11.82	11	93	Total	6.49	11	169
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	3.17	2	NC*				
Female	1.51	6	397 #+	Female	18.45	23	125
Total	4.68	8	171				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	48.44	61	126	Male	301.84	331	110
Female	40.56	34	84	Female	309.96	347	112 #+
Total	89.00	95	107	Total	611.80	678	111 ~+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

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^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Stoughton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	17.85	19	106	Male	11.37	3	NC*
Female	6.85	6	88	Female	8.85	13	147
Total	24.70	25	101	Total	20.22	16	79
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.88	5	85	Male	3.38	2	NC*
Female	4.67	6	128	Female	3.08	4	NC*
Total	10.55	11	104	Total	6.46	6	93
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.15	0	NC*	Male	14.32	17	119
Female	113.39	131	116	Female	12.79	19	149
Total	114.54	131	114	Total	27.12	36	133
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	6.90	2	NC*	Male	11.75	10	85
				Female	5.52	7	127
				Total	17.27	17	98
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	44.91	48	107				
Female	42.78	41	96	Female	13.33	10	75
Total	87.69	89	101				

Esophagus

Male	6.57	5	76
Female	2.20	3	NC*
Total	8.77	8	91

Hodgkin's Disease

Male	2.81	8	285 #+
Female	2.26	2	NC*
Total	5.07	10	197

Kidney and Renal Pelvis

Male	10.53	12	114
Female	6.58	13	198 #+
Total	17.11	25	146

Larynx

Male	6.08	3	NC*
Female	1.67	1	NC*
Total	7.75	4	NC*

Leukemia

Male	7.74	9	116
Female	6.06	3	NC*
Total	13.80	12	87

Liver and Intrahepatic Bile Ducts

Male	3.87	3	NC*
Female	1.59	1	NC*
Total	5.47	4	NC*

Lung and Bronchus

Male	57.52	49	85
Female	45.64	56	123
Total	103.16	105	102

Pancreas

Male	7.10	7	99
Female	7.49	10	134
Total	14.59	17	117

Prostate

Male	108.79	94	86
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Stomach

Male	7.56	7	93
Female	4.60	5	109
Total	12.16	12	99

Testis

Male	4.29	5	117
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Thyroid

Male	2.32	2	NC*
Female	6.16	5	81
Total	8.48	7	83

Uteri, Corpus and Uterus, NOS

Female	21.80	19	87
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All Sites / Types

Male	360.28	341	95
Female	349.09	391	112 #+
Total	709.38	732	103

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs / Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

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indicates statistical significance at the $p \leq 0.05$ level

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Stow**Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.73	1	NC*	Male	2.00	2	NC*
Female	0.94	0	NC*	Female	1.46	5	342 #+
Total	3.67	1	NC*	Total	3.47	7	202
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.09	1	NC*	Male	0.55	0	NC*
Female	0.76	1	NC*	Female	0.46	0	NC*
Total	1.85	2	NC*	Total	1.01	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			

Male	0.19	0	NC*
Female	18.61	26	140
Total	18.80	26	138

Cervix Uteri

Female	1.19	1	NC*
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Colon / Rectum

Male	6.90	7	101
Female	5.82	6	103
Total	12.71	13	102

Esophagus

Male	1.14	0	NC*
Female	0.29	0	NC*
Total	1.43	0	NC*

Hodgkin's Disease

Male	0.51	0	NC*
Female	0.38	1	NC*
Total	0.89	1	NC*

Kidney and Renal Pelvis

Male	1.86	1	NC*
Female	0.99	2	NC*
Total	2.86	3	NC*

Larynx

Male	1.10	0	NC*
Female	0.27	0	NC*
Total	1.37	0	NC*

Leukemia

Male	1.35	1	NC*
Female	0.96	0	NC*
Total	2.31	1	NC*

Liver and Intrahepatic Bile Ducts

Male	0.68	0	NC*
Female	0.22	0	NC*
Total	0.90	0	NC*

Lung and Bronchus

Male	9.33	7	75
Female	6.73	7	104
Total	16.06	14	87

Male	2.45	2	NC*
Female	1.88	0	NC*
Total	4.33	2	NC*

Oral Cavity and Pharynx

Male	2.19	0	NC*
Female	0.86	2	NC*
Total	3.06	2	NC*

Ovary

Female	2.20	0	NC*
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Pancreas

Male	1.16	0	NC*
Female	1.01	1	NC*
Total	2.17	1	NC*

Prostate

Male	17.71	22	124
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Stomach

Male	1.20	0	NC*
Female	0.63	1	NC*
Total	1.83	1	NC*

Testis

Male	0.74	0	NC*
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Thyroid

Male	0.44	1	NC*
Female	1.07	2	NC*
Total	1.51	3	NC*

Uteri, Corpus and Uterus, NOS

Female	3.57	1	NC*
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All Sites / Types

Male	59.31	46	78
Female	53.96	56	104
Total	113.27	102	90

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Sturbridge

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	5.20	7	135
Female	1.79	0	NC*
Total	7.00	7	100
<u>Brain and Other Central Nervous System</u>			
Male	1.71	0	NC*
Female	1.28	1	NC*
Total	2.99	1	NC*
<u>Breast</u>			
Male	0.34	0	NC*
Female	30.55	26	85
Total	30.88	26	84
<u>Cervix Uteri</u>			
Female	1.85	1	NC*
<u>Colon / Rectum</u>			
Male	13.08	8	61
Female	11.21	20	178 #+
Total	24.29	28	115
<u>Esophagus</u>			
Male	1.94	0	NC*
Female	0.57	1	NC*
Total	2.51	1	NC*
<u>Hodgkin's Disease</u>			
Male	0.76	2	NC*
Female	0.61	0	NC*
Total	1.37	2	NC*
<u>Kidney and Renal Pelvis</u>			
Male	3.12	5	160
Female	1.77	1	NC*
Total	4.89	6	123
<u>Larynx</u>			
Male	1.80	1	NC*
Female	0.45	0	NC*
Total	2.26	1	NC*
<u>Leukemia</u>			
Male	2.27	3	NC*
Female	1.64	2	NC*
Total	3.91	5	128
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.14	2	NC*
Female	0.42	2	NC*
Total	1.56	4	NC*
<u>Lung and Bronchus</u>			
Male	16.91	19	112
Female	12.27	6	49
Total	29.19	25	86

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	3.30	1	NC*
Female	2.37	4	NC*
Total	5.67	5	88
<u>Multiple Myeloma</u>			
Male	1.00	1	NC*
Female	0.82	0	NC*
Total	1.83	1	NC*
<u>Non-Hodgkin's Lymphoma</u>			
Male	4.13	11	266 ~+
Female	3.41	3	NC*
Total	7.54	14	186 #+
<u>Oral Cavity and Pharynx</u>			
Male	3.47	2	NC*
Female	1.48	1	NC*
Total	4.95	3	NC*
<u>Ovary</u>			
Female	3.60	6	167
<u>Pancreas</u>			
Male	2.07	1	NC*
Female	1.96	1	NC*
Total	4.03	2	NC*
<u>Prostate</u>			
Male	31.98	27	84
<u>Stomach</u>			
Male	2.20	2	NC*
Female	1.20	1	NC*
Total	3.39	3	NC*
<u>Testis</u>			
Male	1.10	1	NC*
<u>Thyroid</u>			
Male	0.65	0	NC*
Female	1.66	1	NC*
Total	2.31	1	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	5.90	5	85
<u>All Sites / Types</u>			
Male	105.28	101	96
Female	93.39	87	93
Total	198.67	188	95

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Sudbury

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.07	8	88	Male	6.34	7	110
Female	2.87	4	NC*	Female	4.49	10	222 #+
Total	11.94	12	101	Total	10.83	17	157
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.36	1	NC*	Male	1.79	3	NC*
Female	2.36	3	NC*	Female	1.43	0	NC*
Total	5.72	4	NC*	Total	3.22	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.62	0	NC*	Male	7.75	9	116
Female	58.85	62	105	Female	5.81	3	NC*
Total	59.47	62	104	Total	13.56	12	89
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.65	2	NC*	Male	7.03	1	NC*
				Female	2.72	2	NC*
				Total	9.75	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	23.11	14	61	Female	6.95	4	NC*
Female	17.62	12	68				
Total	40.73	26	64 #-				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.78	1	NC*	Male	3.88	5	129
Female	0.89	3	NC*	Female	3.14	4	NC*
Total	4.67	4	NC*	Total	7.02	9	128
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.48	1	NC*	Male	60.94	52	85
Female	1.10	2	NC*				
Total	2.58	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.00	4	NC*	Male	3.93	3	NC*
Female	3.17	3	NC*	Female	1.89	2	NC*
Total	9.18	7	76	Total	5.82	5	86
<u>Larynx</u>				<u>Testis</u>			
Male	3.62	2	NC*	Male	2.08	1	NC*
Female	0.88	0	NC*				
Total	4.50	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	4.18	5	120	Male	1.33	2	NC*
Female	2.93	0	NC*	Female	3.22	6	186

Total	7.10	5	70	Total	4.55	8	176
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.21	1	NC*	Female	11.45	8	70
Female	0.70	0	NC*				
Total	2.91	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	31.45	19	60 #-	Male	196.66	156	79 --
Female	21.69	19	88	Female	168.88	157	93
Total	53.15	38	71 #-	Total	365.54	313	86 --

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